



Performance Data Sheet

AWG5517EXN

General Information

Model	AWG5517EXN	Refrigerant	R-22
Test Condition	ARI	Performance Test Voltage	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	Motor Type	PSC

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
-15	Btu/h	4120	3610					
	Watts	758	752					
	Amps	3.41	3.39					
	Lb/h	52.9	48.5					
-10	Btu/h	5140	4550	3940				
	Watts	825	823	825				
	Amps	3.71	3.70	3.71				
	Lb/h	65.9	60.7	54.9				
-5	Btu/h	6290	5610	4900	4210			
	Watts	888	891	897	903			
	Amps	3.99	4.00	4.02	4.05			
	Lb/h	80.1	74.3	67.7	60.9			
0	Btu/h	7570	6790	5990	5190	4430		
	Watts	946	956	967	978	986		
	Amps	4.24	4.28	4.33	4.38	4.42		
	Lb/h	95.8	89.3	82.0	74.3	66.4		
5	Btu/h	8980	8100	7200	6290	5420		
	Watts	999	1020	1030	1050	1060		
	Amps	4.47	4.55	4.63	4.70	4.76		
	Lb/h	113	106	97.8	89.3	80.5		
10	Btu/h	10500	9560	8540	7530	6530	5600	4740
	Watts	1050	1070	1100	1120	1140	1160	1170
	Amps	4.68	4.79	4.91	5.01	5.11	5.17	5.21
	Lb/h	132	124	115	106	96.3	86.5	77.0
15	Btu/h	12300	11200	10000	8900	7790	6720	5740
	Watts	1090	1120	1160	1190	1220	1240	1260
	Amps	4.86	5.02	5.17	5.32	5.44	5.54	5.61
	Lb/h	152	144	134	124	114	103	92.6
20	Btu/h	14100	12900	11700	10400	9180	7990	6860
	Watts	1120	1170	1210	1260	1290	1330	1350
	Amps	5.01	5.21	5.41	5.60	5.77	5.91	6.01
	Lb/h	174	165	155	145	133	122	110

25	Btu/h	16200	14900	13500	12100	10700	9400	8140
	Watts	1150	1210	1260	1320	1370	1410	1440
	Amps	5.12	5.38	5.63	5.87	6.09	6.27	6.41
	Lb/h	198	189	178	167	155	142	129
30	Btu/h	18400	17000	15500	14000	12400	11000	9560
	Watts	1160	1240	1310	1370	1430	1490	1530
	Amps	5.20	5.52	5.83	6.12	6.39	6.62	6.81
	Lb/h	224	215	203	191	178	165	151
35	Btu/h	20900	19300	17600	16000	14300	12700	11100
	Watts	1170	1260	1350	1430	1500	1560	1620
	Amps	5.24	5.63	6.00	6.35	6.67	6.96	7.20
	Lb/h	253	242	230	217	204	189	175
40	Btu/h	23500	21800	20000	18200	16400	14600	12900
	Watts	1170	1280	1380	1470	1560	1640	1710
	Amps	5.24	5.70	6.14	6.56	6.94	7.29	7.59
	Lb/h	283	272	259	246	231	216	201
45	Btu/h	26300	24500	22500	20600	18600	16700	14800
	Watts	1160	1280	1400	1510	1620	1710	1790
	Amps	5.20	5.73	6.24	6.73	7.19	7.60	7.96
	Lb/h	315	304	291	277	261	245	229
50	Btu/h	29400	27400	25300	23200	21100	19000	16900
	Watts	1140	1280	1420	1550	1670	1780	1870
	Amps	5.11	5.72	6.32	6.88	7.41	7.89	8.32
	Lb/h	350	338	325	310	294	277	260
55	Btu/h	32700	30500	28300	26000	23700	21500	19300
	Watts	1110	1270	1430	1570	1710	1840	1950
	Amps	4.97	5.67	6.35	7.00	7.61	8.17	8.67
	Lb/h	387	375	361	345	329	311	293

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	9.498098E+03	1.150344E+03	5.169440E+00	8.676322E+01
C2	3.945265E+02	-4.262153E+00	-1.888698E-02	3.644240E+00
C3	5.781810E+01	-7.911349E+00	-3.558265E-02	1.137840E+00
C4	3.594877E+00	-3.069393E-01	-1.347851E-03	2.640035E-02
C5	-1.252655E+00	2.426197E-01	1.069091E-03	2.842971E-03
C6	-1.406052E+00	9.196189E-02	4.111881E-04	-1.664567E-02
C7	1.189296E-02	-7.412352E-04	-3.275630E-06	1.185798E-04
C8	-1.043353E-02	2.500903E-03	1.099206E-05	4.573099E-05
C9	-4.032264E-03	-6.276228E-04	-2.770663E-06	-9.231783E-05
C10	4.766479E-03	-3.120214E-04	-1.390862E-06	4.791532E-05

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature